

Use print or type. Form designed for use on elite (12 pitch) typewriter.

**UNIFORM HAZARDOUS
 WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1

Information in the shaded areas
 is not required by Federal law.

CAD08651000557709

of 1

3. Generator's Name and Mailing Address

Douglas Aircraft Company, C1-Q6C (11-11) Attn: Rob Tueli
 3855 Lakewood Blvd. Long Beach, CA 90845

4. Generator's Phone

(310) 496-6287 or (310) 593-3101

5. Transporter 1 Company Name

Laidlaw Environmental Services of CA, Inc.

6. US EPA ID Number

CAD0000083121

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

Laidlaw Environmental Services, Inc. (IV)
 5295 South Garvey
 Westmontland, CA 92281

10. US EPA ID Number

CAD0000633164

A. State Manifest Document Number

96157709

B. State Generator's ID

HAHQ34006666

C. State Transporter's ID

D. Transporter's Phone

(310) 518-4700

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

10410000633164

H. Facility's Phone

(760) 331-9400

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
 No. Type

13. Total
 Quantity

14. Unit
 Wt/Vol

I. Waste Number

a. Waste corrosive solid, acidic, inorganic, n.e.s., (chromic
 acid, nitric acid) 8, UN3260, PG II

005DF

02240

P

State

EPA/Other

b. RC Waste asbestos, 9, NA2212, PG II

001DM

00120

P

State

EPA/Other

c. Absorbent and oil

Non-RCRA hazardous waste solid

005DM

02020

P

State

EPA/Other

d.

State

EPA/Other

J. Additional Descriptions for Materials Listed Above

1. 155-015-09-11 Acid Contaminated solids
 2. 155-015-09-11 Asbestos containing material
 3. 155-015-09-11 Flour dry with oil

K. Handling Codes for Wastes Listed Above

a.

15-03

b.

03/02

c.

03/02

d.

15. Special Handling Instructions and Additional Information

24 Hour emergency telephone number (800) 424- 9300 (Chemtrec).

DOT ERG# 11a) 154 b)171 c) 171

Site address: 19503 South Normandie Avenue, Torrance, CA 90502.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Juan J. Ramirez

Signature

Juan J. Ramirez

Month

03

Day

21

Year

1997

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Fred Minicucci

Signature

Fred Minicucci

Month

03

Day

21

Year

1997

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Fred Minicucci

Signature

Fred

Month

Day

Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Juan J. Ramirez

Signature

Juan J. Ramirez

Month

04

Day

01

Year

1998

DO NOT WRITE BELOW THIS LINE.

Yellow:

TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS.
 (Generators who submit hazardous waste for transport out-of-state,
 produce completed copy of this copy and send to DTSC within 30 days.)

96157709

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7

GENERATOR

TRANSPORTER

FACILITY

96157709

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7

GENERATOR
TRANSPORTER
FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address Douglas Aircraft Company, C1-C8C (11-11) Attn: Rob Tuell 3855 Lakewood Blvd. Long Beach, CA 90846		CAD08851000557709		A. State Manifest Document Number 96157709	
4. Generator's Phone (310) 496-6287 or (310) 593-3101		6. US EPA ID Number		B. State Generator's ID HAND38003800	
5. Transporter 1 Company Name Laidlaw Environmental Services of CA, Inc.		CAD0000083121		C. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (310) 318-4700	
9. Designated Facility Name and Site Address Laidlaw Environmental Services, Inc. 5295 South Garvey Westmontland, CA 92281		CAD0000633164		E. State Transporter's ID	
10. US EPA ID Number		11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		F. Transporter's Phone	
a. Waste corrosive solid, acidic, inorganic, n.o.s., (chromic acid, nitric acid) 8, UN3260, PG II		005DF 02240 P		G. State Facility's ID	
b. RO, Waste asbestos, 9, NA2212, PG II		001DM 00120 P		H. Facility's Phone (619) 344-9400	
c. Absorbent and oil Non-RCRA hazardous waste solid		005DM 02020 P		I. Waste Number	
d.				State	
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above		EPA/Other	
15. Special Handling Instructions and Additional Information 24 Hour emergency telephone number (800) 424- 9300 (Chemtrec). DOT ERG# 11a) 154 b)171 c) 171 Site address: 19503 South Normandie Avenue, Torrance, CA 90502.		12. Containers No. Type		13. Total Quantity	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.		14. Unit Wt/Vol		15. Waste Number	
Printed/Typed Name Jose A. Montoya		Signature Jose A. Montoya		Month Day Year 03 21 97	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Enzo Minicucci		Signature Enzo Minicucci		Month Day Year 03 21 97	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Enzo Minicucci		Signature Enzo Minicucci		Month Day Year 03 21 97	
19. Discrepancy Indication: Space		20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.		Month Day Year	
Printed/Typed Name		Signature		Month Day Year	

DO NOT WRITE BELOW THIS LINE.

LAIDLAW ENVIRONMENTAL SERVICES, INC

California Land Disposal/Restriction Information
Notification/Certification Form

This form is submitted in accordance with the requirements of 22 CCR 66268.7(a) Chapter 18 which restricts land disposal of certain hazardous wastes. The appropriate California waste code(s) and applicable non-RCRA hazardous waste listings from CCR 66268.29 are noted below. Complete all portions of Part I. If the waste is not hazardous or not restricted then complete only the applicable portions in Part I and sign / date the Form at the bottom of page. Otherwise complete Part I, II and III, and sign / date the Form at the bottom of page. (For RCRA wastes, use Laidlaw RCRA FORM)

GENERAL INFORMATION REGARDING GENERATOR & WASTE STREAM

GENERATOR'S NAME Douglas Aircraft Company PHONE: (310) 446-9235
SITE LOCATION: 19503 S. Normandie, Torrance, CA PROFILE NUMBER: 15594-BDC-0996
IS THIS WASTE NON-HAZARDOUS? ☐ NO. ☐ YES (If YES, stop here and sign/date form at the bottom of page)
GENERATOR'S EPA ID#: CA0086510005 MANIFEST #: 57709/96157709 CA WASTE CODE(S): 352
IS THIS WASTE RESTRICTED? ☐ YES. ☒ NO (If NO, stop here and sign/date form at the bottom of page)
THIS NOTIFICATION & CERTIFICATION IS BASED ON THE FOLLOWING WASTE STREAM INFORMATION:
☐ (A) CHEMICAL/PHYSICAL ANALYSIS OF THE WASTE: ☐ (B) GENERATOR KNOWLEDGE OF THE WASTE; OR ☐ (C) BOTH

Check the appropriate boxes in Parts II and III. If only one notification applies, then III(A) is not required. For multiple certifications / notifications, the appropriate choices from Part II (1-3) may be marked in Part III(A) to indicate how waste is to be managed to conform with Land Disposal Restrictions. By selecting an item in Part III(A), 1-3, you are making the certification / notification noted in Part II.

II. TYPE OF LDR NOTIFICATION / CERTIFICATION

☐ 1. **NOTIFICATION ONLY: WASTE THAT CURRENTLY REQUIRE TREATMENT TO MEET THE 22 CCR ARTICLE 11 TREATMENT STANDARDS:** - 22 CCR 66268.7(a)(1)

☐ 2. **NOTIFICATION & CERTIFICATION: WASTE THAT MEETS THE 22 CCR ARTICLE 11 TREATMENT STANDARDS, NO ADDITIONAL TREATMENT REQUIRED:** - 22 CCR 66268.7(a)(2)
I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing through knowledge of the waste to support this certification, that the waste complies with the treatment standards specified in CCR Title 22, Division 4.5, Chapter 18, Articles 4 and 11 and all applicable prohibitions set forth in CCR Title 22, Section 66268.32 or RCRA Section 3004(d)(42 U.S.C. Section 6924(d)). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine or imprisonment.

☐ 3. **NOTIFICATION & CERTIFICATION: NON-RCRA WASTE THAT HAS BEEN TREATED AT AN OFF-SITE TREATMENT FACILITY SO AS TO MEET ALL APPLICABLE 22 CCR ARTICLE 11 TREATMENT STANDARDS:** - 22 CCR 66268.7(b)(5)
I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing through knowledge of the waste to support this certification, that the waste complies with the treatment standards specified in CCR Title 22, Division 4.5, Chapter 18, Articles 4 and 11 and all applicable prohibitions set forth in CCR Title 22, Section 66268.32 or RCRA Section 3004(d)(42 U.S.C. Section 6924(d)). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine or imprisonment.

III. LDR NOTIFICATION / CERTIFICATION INFORMATION REQUIRED BY 22CCR

Check appropriate boxes	(A) Check 1, 2, or 3 from handling information (Part II)	(B) Prohibition Effective Date	(C) Subcategory of Restricted Waste (22 CCR 66268.29 a-m) and Treatability Group(s) 66268.100(a)(1-14)	(D) Corresponding Treatment Standard (From 22 CCR)
1. <input type="checkbox"/>	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	1/26/90	Aqueous wastes containing metals [66268.29(a) & 66268.100(a)(1)]	1 66268.107 Table II CCW
2. <input type="checkbox"/>	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	5/8/91	Auto shredder waste [66268.29(c) & 66268.100(a)(3)]	2 66268.106 Table 1-A CCWE
3. <input type="checkbox"/>	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	1/1/91	Hazardous waste foundry sand [66268(e) & 66268.100(a)(5)]	4 66268.106 Table 1-B CCWE
4. <input type="checkbox"/>	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	1/1/91	Fly ash, bottom ash, rector ash or baghouse waste [66268.29(h) 66268.100(a)(8)]	7 66268.106 Table 1-D CCWE
5. <input type="checkbox"/>	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	1/1/91	Baghouse waste from foundries [66268.29(i) & 66268.100(a)(9)]	8 66268.106 Table 1-E CCWE
6. <input type="checkbox"/>	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	3/1/93	Asbestos containing waste identified in section [66268.29(m) & 66268.100(a)(13)]	12 66268.114
7. <input type="checkbox"/>	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3		Other (Specify):	13

Copies of applicable treatment standards and waste analysis data (where available) are maintained at the facility identified on the manifest referenced above.

IV. GENERATOR AUTHORIZATION / CERTIFICATION

I hereby certify that all information submitted in this and all associated documents is true, complete, and accurate to the best of my knowledge and information, and that no omissions or errors exist. I warrant that I am an authorized representative of the generator.

Joe A. Montoya
Authorized Signature

Joe A. Montoya
Printed Name

Env. Tech.
Title

3-21-97
Date

THIS DOCUMENT, WITH AN ORIGINAL SIGNATURE, MUST ACCOMPANY EACH WASTE SHIPMENT. A COPY OF THIS CERTIFICATION, AND ALL SUPPORTING DATA, MUST BE RETAINED BY THE GENERATOR FOR AT LEAST FIVE (5) YEARS AS PER 22 CCR 66268.7

Rev. 1/96

Page ____ of ____

BOE-C6-0199763

LAIDLAW ENVIRONMENTAL SERVICES, INC

California Land Disposal/Restriction Information
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This form is submitted in accordance with the requirements of 22 CCR 66268.7(a) Chapter 18 which restricts land disposal of certain hazardous wastes. The appropriate California waste code(s) and applicable non-RCRA hazardous waste listings from CCR 66268.29 are noted below. Complete all portions of Part I. If the waste is non-hazardous or not restricted then complete only the applicable portions in Part I and sign / date the Form at the bottom of page. Otherwise complete Part I, II and III, and sign / date the Form at the bottom of page. (For RCRA wastes, use Laidlaw RCRA FORM)

GENERAL INFORMATION REGARDING GENERATOR & WASTE STREAM

GENERATOR'S NAME Douglas Aircraft Company PHONE: (310) 496-9235
SITE LOCATION: 19503 S Normandie, Torrance, CA PROFILE NUMBER: 15696-IDC-0496
IS THIS WASTE NON-HAZARDOUS? ☒ NO. ☐ YES (if YES, stop here and sign/date form at the bottom of page)
GENERATOR'S EPA ID#: CAD086510005 MANIFEST #: 57709/96157709 CA WASTE CODE(S): 151
IS THIS WASTE RESTRICTED? ☒ YES. ☐ NO (if NO, stop here and sign/date form at the bottom of page)
THIS NOTIFICATION & CERTIFICATION IS BASED ON THE FOLLOWING WASTE STREAM INFORMATION:
☐ (A) CHEMICAL/PHYSICAL ANALYSIS OF THE WASTE: ☒ (B) GENERATOR KNOWLEDGE OF THE WASTE; OR ☐ (C) BOTH

Check the appropriate boxes in Parts II and III. If only one notification applies, then III(A) is not required. For multiple certifications / notifications, the appropriate choices from Part II (1-3) may be marked in Part III(A) to indicate how waste is to be managed to conform with Land Disposal Restrictions. By selecting an item in Part III(A), 1-3, you are making the certification / notification noted in Part II.

II. TYPE OF LDR NOTIFICATION / CERTIFICATION

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I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing through knowledge of the waste to support this certification, that the waste complies with the treatment standards specified in CCR Title 22, Division 4.5, Chapter 18, Articles 4 and 11 and all applicable prohibitions set forth in CCR Title 22, Section 66268.32 or RCRA Section 3004(d)(42 U.S.C. Section 6924(d)). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine or imprisonment.
- ☐ 3. **NOTIFICATION & CERTIFICATION: NON-RCRA WASTE THAT HAS BEEN TREATED AT AN OFF-SITE TREATMENT FACILITY SO AS TO MEET ALL APPLICABLE 22 CCR ARTICLE 11 TREATMENT STANDARDS:** - 22 CCR 66268.7(b)(5)
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III. LDR NOTIFICATION / CERTIFICATION INFORMATION REQUIRED BY 22CCR

Check appropriate boxes	(A) Check 1, 2, or 3 from handling information (Part II)	(B) Prohibition Effective Date	(C) Subcategory of Restricted Waste (22 CCR 66268.29 a-m) and Treatability Group(s) 66268.100(a)(1-14)	(D) Corresponding Treatment Standard (From 22 CCR)
1. <input type="checkbox"/>	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	1 / 26 / 90	Aqueous wastes containing metals [66268.29(a) & 66268.100(a)(1)]	1 66268.107 Table II CCW
2. <input type="checkbox"/>	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	5 / 3 / 91	Auto shredder waste [66268.29(c) & 66268.100(a)(3)]	2 66268.106 Table 1-A CCWE
3. <input type="checkbox"/>	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	1 / 1 / 91	Hazardous waste foundry sand [66268(e) & 66268.100(a)(5)]	4 66268.106 Table 1-B CCWE
4. <input type="checkbox"/>	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	1 / 1 / 91	Fly ash, bottom ash, rector ash or baghouse waste [66268.29(h) & 66268.100(a)(8)]	7 66268.106 Table 1-D CCWE
5. <input type="checkbox"/>	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	1 / 1 / 91	Baghouse waste from foundries [66268.29(i) & 66268.100(a)(9)]	8 66268.106 Table 1-E CCWE
6. <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	3 / 1 / 93	Asbestos containing waste identified in section [66268.29(m) & 66268.100(a)(13)]	12 66268.114
7. <input type="checkbox"/>	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3		Other (Specify):	13

Copies of applicable treatment standards and waste analysis data (where available) are maintained at the facility identified on the manifest referenced above.

IV. GENERATOR AUTHORIZATION / CERTIFICATION

I hereby certify that all information submitted in this and all associated documents is true, complete, and accurate to the best of my knowledge and information, and that no omissions or errors exist. I warrant that I am an authorized representative of the generator.

[Signature] Joe A. Montoya Env Tech 3-21-97
Authorized Signature Printed Name Title Date

THIS DOCUMENT, WITH AN ORIGINAL SIGNATURE, MUST ACCOMPANY EACH WASTE SHIPMENT. A COPY OF THIS CERTIFICATION, AND ALL SUPPORTING DATA, MUST BE RETAINED BY THE GENERATOR FOR AT LEAST FIVE (5) YEARS AS PER 22 CCR 66268.7

Rev. 1/96

Page ___ of ___

BOE-C6-0199764

LANDLAW
ENVIRONMENTAL
SERVICES

FORM A

Customer Notification And Certification

Page ____ of ____

Generator Name/Location: Douglas Aircraft CompanyEPA I.D. Number: CAD086510005Waste Profile or ARF Designation: 16216 - ITR - 0996Manifest Number: 57709/96157709EPA Waste Number(s): D007Waste Analysis Available? Yes (attached) ____ No ____ On file at receiving facility X**Unrestricted Waste Notification (Category 1)**

Mark the statement below if you generate a waste that is not a land disposal restricted waste (the waste has no applicable treatment standards).

- ☐ I notify that I am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste is not restricted as specified in 40 CFR §268, Subpart D or any applicable prohibitions set forth in 40 CFR §268.32 or RCRA Section 3004(d).

Restricted Waste/Debris Notification (Category 2)

Mark statement (2a) below if you generate a waste that is restricted from land disposal (the waste has applicable treatment standards).

NOTE-1: A waste may pass one or more standards and require treatment or be variances for others. In this case, all applicable categories must be checked. NOTE-2: D001, D002 and D012 - D043 wastes must be evaluated for underlying constituents found in 40 CFR §268.48 (Table UTS), that are reasonably expected to be present. A list of these constituents must be included on FORM B, or attached to and accompany this notification with each waste shipment. Mark statement (2b) if you generate a debris waste that will be treated to the alternate debris standards located in 40 CFR §268.45.

- ☒ (2a) Restricted Waste Notification
I notify that I am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste is subject to the treatment standards specified in 40 CFR §268 Subpart D. The waste: (a) must be treated to the appropriate regulatory treatment standard, by the appropriate regulatory treatment method; (b) qualifies for a variance as described in category 3 below; or (c) meets some or all of the standards as described in Category 4 below.

- ☐ (2b) Alternate Debris Treatment Notification: This hazardous debris is subject to the alternate treatment standards of 40 CFR §268.45. The waste contains the following contaminants subject to treatment [check all that apply]:
____ §268.45(b)(1) - Toxicity characteristic debris;
____ §268.45(b)(2) - Debris contaminated with listed waste;
____ §268.45(b)(3) - Cyanide reactive debris.

Restricted Waste Variance Notification (Category 3)

Mark the statement below and list the applicable variance date on Form B, if you generate a waste which does not require treatment prior to land disposal because of a variance (including a case-by-case extension under 40 CFR §268.5, a nationwide variance under 40 CFR §268 Subpart C, a no migration petition under 40 CFR §268.6, or other applicable variance).

- ☐ I notify pursuant to 40 CFR §268.7(a)(3) that I am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that this waste is subject to a national capacity variance under 40 CFR §268 Subpart C, or a case-by-case extension under 40 CFR §268.5, or an exemption under 40 CFR §268.6.

Restricted Waste Certification (Treatment Standards Met) (Category 4)

Mark the certification statement below if you generate a waste that is restricted from land disposal (the waste has applicable treatment standards), and the waste meets the standards as generated. Note: All applicable constituent standards must be accounted for. A waste may pass one or more standards and require treatment or be variance for other constituents. In this case, all applicable categories must be checked.

- ☐ I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA § 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

SIGNATURE: Joe A. MontoyaDATE: 3-21-97PRINT NAME: Joe A. MontoyaTITLE: Env Tech

FORM B1 (Must be accompanied by Form A)

Generator Name / Location Douglas Aircraft Company / Torrance CA Page 2 of 2
EPA I.D. Number : CAD086510005 Manifest : 57709/96157709

EPA "I.D." Number: CAD086510005

Manifest : 57709/96157709

[illegible]

CONSTITUENTS IN SOLVENT, CALIFORNIA LIST AND CHARACTERISTIC WASTES.

F001 - F005 spent solvents

Legend #	Constituent Name	19	Nitrobenzene
1	Acetone	20	Pyridine
2	Benzene	21	Tetrachloroethylene
3	n-Butyl alcohol	22	Toluene
* 4	Carbon disulfide	23	1,1,1-Trichloroethane
5	Carbon tetrachloride	24	1,1,2-Trichloroethane
6	Chlorobenzene	25	Trichloroethylene
7	Cresol (m- and p-isomers)	26	1,1,2-Trichloro-1,2,2-trifluoroethane
8	o-Cresol		
* 9	Cyclohexanone	27	Trichloromonofluoro-methane
10	1,2-Dichlorobenzene	28	Xylenes (total)
11	Ethyl Acetate		
12	Ethyl Benzene		
13	Ethyl Ether		
14	Isobutyl alcohol		
* 15	Methanol		
16	Methylene Chloride		
17	Methyl Ethyl Ketone		
18	Methyl isobutyl ketone		

Legends 29-31 RESERVED

** If these constituents are present alone or in any combination of the three, then non waste water forms of these constituents must be treated to TCLP levels as indicated in §268.40.*

**Technology-Based standards For F005
when the constituent is the only listed
F00-F005 solvent**

Legend #	Constituent Name
32	2-Ethoxyethanol
33	2-Nitropropane

Legends 34-43 RESERVED

CALIFORNIA LIST WASTES

Legend #	Constituent Name
44	Nickel
45	Thallium
46	Cyanide (Liquid)
47	Liquid Polychlorinated Biphenyls (PCB's)
48	Halogenated Organic compounds (HOC's)

**SEE BACK FOR THE UNIVERSAL
TREATMENT STANDARDS (UTS),
Legends 49-264**

Sec. 268.48 Table UTS — Universal Treatment Standards

Legend # Regulated constituent — common name		Wastewater standard. Concentration in mg/l/2	Nonwastewater standard. Concentration in mg/kg/3/ unless noted as "mg/l TCLP"
49	Acenaphthylene	0.059	3.4
50	Acenaphthene	0.059	3.4
51	Acetone	0.28	160
52	Acetonitrile	5.6	1.8
53	Acetophenone	0.010	9.7
54	2-Acetylaminofluorene	0.059	140
55	Acrolein	0.29	NA
56	Acrylamide	19	23
57	Acrylonitrile	0.24	84
58	Aldrin	0.021	0.066
59	4-Aminobiphenyl	0.13	NA
60	Aniline	0.81	14
61	Anthracene	0.059	3.4
62	Aramid	0.36	NA
63	alpha-BHC	0.00014	0.066
64	beta-BHC	0.00014	0.066
65	delta-BHC	0.023	0.066
66	gamma-BHC	0.0017	0.066
67	Benzene	0.14	10
68	Benz (a) anthracene	0.059	3.4
69	Benzal chloride	0.055	6.0
70	Benzo (b) fluoranthene (difficult to distinguish from benzo (k) fluoranthene)	0.11	6.8
71	Benzo (k) fluoranthene (difficult to distinguish from benzo (b) fluoranthene)	0.11	6.8
72	Benzo (g, h, i) perylene	0.0055	1.8
73	Benzo (a) pyrene	0.061	3.4
74	Bromodichloromethane	0.35	15
75	Methyl bromide (Bromomethane)	0.11	15
76	4-Bromophenyl phenyl ether	0.055	15
77	n-Butyl alcohol	5.6	2.6
78	Butyl benzyl phthalate	0.017	28
79	2-sec-Butyl-4, 6-dinitrophenol (Dinoseb)	0.066	2.5
80	Carbon disulfide	3.8	4.8 mg/l TCLP
81	Carbon tetrachloride	0.057	6.0
82	Chlodane (alpha and gamma isomers)	0.0033	0.26
83	p-Chloroaniline	0.46	16
84	Chlorobenzene	0.057	6.0
85	Chlorobenzilate	0.10	NA
86	2-Chloro-1, 3-butadiene	0.057	0.28
87	Chlorodibromomethane	0.057	15
88	Chloroethane	0.27	6.0
89	bis (2-chloroethoxy) methane	0.036	7.2
90	bis (2-Chloroethyl) ether	0.033	6.0
91	Chloroform	0.046	6.0
92	bis (2-Chloroisopropyl) ether	0.055	7.2
93	p-Chloro-m-cresol	0.018	14
94	2-Chloroethyl vinyl ether	0.062	NA
95	Chloromethane (Methyl chloride)	0.19	30
96	2-Chloronaphthalene	0.055	5.6
97	2-Chlorophenol	0.044	5.7
98	3-Chloropropylene	0.036	30
99	Chrysene	0.059	3.4
100	o-Cresol	0.11	5.6
101	m-Cresol (difficult to distinguish from p-cresol)	0.77	5.6
102	p-Cresol (difficult to distinguish from m-cresol)	0.77	5.6
103	Cyclohexanone	0.36	0.75 mg/l TCLP
104	1, 2-Dibromo-3-chloropropane	0.11	15
105	Ethylene dibromide (1, 2-Dibromoethane)	0.028	15
106	Dibromomethane	0.11	15
107	2, 4-D (2, 4-Dichlorophenoxyacetic acid)	0.72	10
108	o, p'-DDD	0.023	0.087
109	p,p'-DDD	0.023	0.087
110	o,p'-DDE	0.031	0.087
111	p,p'-DDE	0.031	0.087
112	o,p'-DDT	0.0039	0.087
113	p,p'-DDT	0.0039	0.087
114	Dibenz (a, h) anthracene	0.055	8.2
115	Dibenz (a, e) pyrene	0.061	NA
116	m-Dichlorobenzene	0.036	6.0
117	o-Dichlorobenzene	0.088	6.0
118	p-dichlorobenzene	0.090	6.0
119	Dichlorodifluoromethane	0.23	7.2
120	1,1-Dichloroethane	0.059	6.0
121	1,2-Dichloroethane	0.21	6.0
122	1,1-Dichloroethylene	0.025	6.0
123	trans-1,2-Dichloroethylene	0.054	30
		0.044	14
Legend # Regulated constituent — common name		Wastewater standard. Concentration in mg/l/2	Nonwastewater standard. Concentration in mg/kg/3/ unless noted as "mg/l TCLP"
127	cis-1,3-Dichloropropylene	0.036	18
128	trans-1,3-Dichloropropylene	0.036	18
129	Dieldrin	0.017	0.13
130	Diethyl phthalate	0.20	28
131	2,4-Dimethyl phenol	0.036	14
132	Dimethyl phthalate	0.047	28
133	Di-n-butyl phthalate	0.057	28
134	1,4-Dinitrobenzene	0.32	2.3
135	4,6-Dinitro-o-cresol	0.28	160
136	2,4-Dinitrophenol	0.12	160
137	2,4-Dinitrotoluene	0.32	140
138	2,6-Dinitrotoluene	0.55	28
139	Di-n-octyl phthalate	0.017	28
140	p-Dimethylaminoazobenzene	0.13	NA
141	Di-n-propylmitosamine	0.40	14
142	1,4-Dioxane	NA	170
143	Diphenylamine (difficult to distinguish from diphenylmethylamine)	0.92	13
144	Diphenylmethylamine (difficult to distinguish from diphenylamine)	0.92	13
145	1,2-Diphenylhydrazine	0.087	NA
146	Disulfoton	0.017	6.2
147	Endosulfan I	0.023	0.066
148	Endosulfan II	0.029	0.13
149	Endosulfan sulfate	0.029	0.13
150	Endrin	0.0028	0.13
151	Endrin Aldehyde	0.025	0.13
152	Ethyl acetate	0.34	33
153	Ethyl cyanide (Propanenitrile)	0.24	360
154	Ethyl benzene	0.057	10
155	Ethyl ether	0.12	160
156	bis (2-Ethylhexyl) phthalate	0.28	28
157	Ethyl methacrylate	0.14	160
158	Ethylene oxide	0.12	NA
159	Famphur	0.017	15
160	Fluoranthene	0.068	3.4
161	Fluorene	0.059	3.4
162	Heptachlor	0.0012	0.066
163	Heptachlor epoxide	0.016	0.066
164	Hexachlorobenzene	0.055	10
165	Hexachlorobutadiene	0.055	5.6
166	Hexachlorocyclopentadiene	0.057	2.4
167	HxCDDs (All Hexachlorodibenzo-p-dioxins)	0.00063	0.001
168	HxCDFs (All Hexachlorodibenzofurans)	0.00063	0.001
169	Hexachloroethane	0.055	30
170	Hexachloropropylene	0.035	30
171	Indeno (1, 2, 3-c, d) pyrene	0.0055	3.4
172	Iodomethane	0.19	65
173	Isobutyl alcohol	5.6	170
174	Isodrin	0.021	0.066
175	Isosafrole	0.081	2.6
176	Kepone	0.0011	0.13
177	Methacrylonitrile	0.24	84
178	Methanol	5.6	0.75 mg/l TCLP
179	Methapyrene	0.081	1.5
180	Methoxychlor	0.25	0.18
181	3-Methylcholanthrene	0.0055	15
182	4,4-Methylene bis (2-chloroaniline)	0.50	30
183	Methylene chloride	0.089	30
184	Methyl ethyl ketone	0.28	36
185	Methyl isobutyl ketone	0.14	33
186	Methyl methacrylate	0.14	160
187	Methyl methansulfonate	0.18	NA
188	Methyl parathion	0.014	4.6
189	Naphthalene	0.059	5.6
190	2-Naphthylamine	0.52	NA
191	o-Nitroaniline	0.27	14
192	p-Nitroaniline	0.028	28
193	Nitrobenzene	0.068	14
194	5-Nitro-o-toluidine	0.32	28
195	o-Nitrophenol	0.028	13
196	p-Nitrophenol	0.12	29
197	N-Nitrosodimethylamine	0.40	28
198	N-Nitrosodimethylamine	0.40	2.3
199	N-Nitroso-di-n-butylamine	0.40	17
200	N-Nitrosomethylethylamine	0.40	2.3
201	N-Nitrosomorpholine	0.40	2.3
202	N-Nitrosopiperidine	0.013	35
Legend # Regulated constituent — common name		Wastewater standard. Concentration in mg/l/2	Nonwastewater standard. Concentration in mg/kg/3/ unless noted as "mg/l TCLP"
205	Total PCBs (sum of all PCB isomers, or all Aroclors)	0.10	10
206	Pentachlorobenzene	0.055	10
207	PeCDDs (All Pentachlorodibenzo-p-dioxins)	0.000063	0.001
208	PeCDFs (All Pentachlorodibenzofurans)	0.000035	0.001
209	Pentachloroethane	0.055	6.0
210	Pentachloronitrobenzene	0.055	4.8
211	Pentachlorophenol	0.089	7.1
212	Phenacetin	0.081	16
213	Phenanthrene	0.059	5.6
214	Phenol	0.039	6.2
215	Phorate	0.021	4.6
216	Phthalic acid	0.055	28
217	Phthalic anhydride	0.055	28
218	Pronamide	0.093	1.5
219	Pyrene	0.067	8.2
220	Pyridine	0.014	16
221	Safrole	0.081	22
222	Silvex (2,4,5-TP)	0.72	7.9
223	2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	0.72	7.9
224	1,2,4,5-Tetrachlorobenzene	0.055	14
225	TCDDs (All Tetrachlorodibenzo-p-dioxins)	0.000063	0.001
226	TCDFs (All Tetrachlorodibenzofurans)	0.000063	0.001
227	1,1,1,2-Tetrachloroethane	0.057	6.0
228	1,1,2,2-Tetrachloroethane	0.057	6.0
229	Tetrachloroethylene	0.056	6.0
230	2,3,4,6-Tetrachlorophenol	0.030	7.4
231	Toluene	0.080	10
232	Toxaphene	0.0095	2.6
233	Bromoform (Tribromomethane)	0.63	15
234	1,2,4-Trichlorobenzene	0.055	1.9
235	1,1,1-Trichloroethane	0.054	6.0
236	1,1,2-Trichloroethane	0.054	6.0
237	Trichloroethylene	0.054	6.0
238	Trichloromono-fluoromethane	0.020	30
239	2,4,5-Trichlorophenol	0.18	7.4
240	2,4,6-Trichlorophenol	0.035	7.4
241	1,2,3-Trichloropropane	0.85	30
242	1,1,2-Trichloro-1,2,2-trifluoroethane	0.057	30
243	tris-(2,3-Dibromopropyl) phosphate	0.11	0.10
244	Vinyl chloride	0.27	6.0
245	Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	0.32	30
246	Antimony	1.9	2.1 mg/l TCLP
247	Arsenic	1.4	5.0 mg/l TCLP
248	Barium	1.2	7.6 mg/l TCLP
249	Beryllium	0.82	0.014 mg/l TCLP
250	Cadmium	0.69	0.19 mg/l TCLP
251	Chromium (Total)	2.77	0.86 mg/l TCLP
252	Cyanides (Total) /4/	1.2	590
253	Cyanides (Amenable) /4/	0.86	30
254	Fluoride	35	NA
255	Lead	0.69	0.37 mg/l TCLP
256	Mercury — Nonwastewater from Retort	NA	0.20 mg/l TCLP
257	Mercury — All others	0.15	0.025 mg/l TCLP
258	Nickel	3.98	5.0 mg/l TCLP
259	Selenium	0.82	0.16 mg/l TCLP
260	Silver	0.43	0.30 mg/l TCLP
261	Sulfide	14	NA
262	Thallium	1.4	0.078 mg/l TCLP
263	Vanadium	4.3	0.23 mg/l TCLP
264	Zinc/5/	2.61	5.3 mg/l TCLP

/2/ Concentration standards for wastewaters are expressed in mg/l are based on analysis of composite samples.
 /3/ Except for Metals (E/P or TCLP) and Cyanides (Total and Amenable) the nonwastewater treatment standards expressed as a concentration were established, in part, based upon incineration in units operated in accordance with the technical requirements of 40 CFR part 264, subpart O or 40 CFR part 265, subpart O, or based upon combustion in fuel substitution units operating in accordance with applicable technical requirements. Facilities may comply with these treatment standards according to provisions in 40 CFR 268.40 (d). All concentration standards for nonwastewaters are based on analysis of grab samples.
 /4/ Both Cyanides (Total) and Cyanides (Amenable) for nonwastewaters are to be analyzed using Method 8002, found in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846 as incorporated by reference in 40 CFR 260.11, with a sample size of 10 grams and a distillation time of one hour and 15 minutes.
 /5/ Zinc is not an "underlying hazardous constituent" in characteristic wastes, according to the definition of 268.2(i).